الدس هميم لسدا

$$m^{n} \mid n^{m} \rangle \Rightarrow m^{k} \mid k^{m}$$

$$m^{n} \mid n^{m} \xrightarrow{\Lambda k} m^{kn} \mid n^{km} \mid n^{km}$$

On = 1 . + n

ak+1= lot(K+)) = lo+1+K+1K gcd (10+K, 10+K, 1K+1) = gcd (10+K, 1K+1) d) 10+K = d) 10+ 1K = d) 10-K = d) 40-TK = d) 41-TK = d) 14-TK = d) 14-TK

$$ab = cd$$
 $T_m = a^m + b^m + c^m + d^m$

 $T_{1} = \frac{(a+c)(a+d)}{a} = \frac{a+c}{a} \times a+d$ $= \frac{(1+c)(a+d)}{a} = \frac{a+c}{a} \times a+d$

Tmb"= c"d"+ b"b"+c"b"+d"b"

= Tm: ((c+b")(b"+d")

white Tm wind 1 in to 0? or b"d" 1 with c"+b" & Nels Tm wi

	5/ 80 m sur ju (m) 08 /2
$n^{r \times 5} = 1$ $n > 7$ $0 \ge 1 = (n-1)$	
08. 2-1=(2-1)	(2 ⁿ⁻¹ - + 2+ 1)
0. (n') = (n') - 1 = (n'' - 1)	E 71 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
E.S.	EZ YXS DE
WYXS I do	2) Le 2 - 1 1 and 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
11 -1 EP	
	6
100 - vy - 9	02'-vy'=> m-vy'= my' (i)
=> 4 = rk	
=> 102 = 9 + K = 9 = 102 = 0	(1+VK') = 9 112n'= rin; rin
= nip	
= 10x9pr- yx9kr=9	, V E
= 12p'-YK'= 1 => 12p'=V)	c', 1 " " " " " " " " " " " " " " " " " "
	1 8 3 1 40
K = ra = K =) = YK !) =	VK+1=1=10p=1.X.
	l/s 039 1,60
	SON 0 9 13600
2 + 4 + 2 = 1242	1
3	
رُوص نعمد ١٠٠٠ او اسماس	2,9,2 ex rice to alver, 50 - 100 000
tary z's tagz	
V	10 2 9 ym
(1K-1) 1 + K + 1 + K + Fm+1 ~	المرابع
(1K-1) 1 + K + 1 + K + Fm+1 >>	2000 2 14 Wien Eung 12 9
	(inegsia2, go.

7.50 y.rb 2.80 tor +b+ +c's yxtaxbarc = +abc => a +b+ c = +abc $\frac{(p-1)!}{r!} \frac{(p-1)!}{r!} \frac{(p-1)!}{r!}$ $P = (-1)^{\frac{p-1}{r}} (p-1)^{\frac{1}{r}} = (-1)^{\frac{p-1}{r}} \times (-1) = (-1)^{\frac{p+1}{r}}$ potkal op p = 1 00 (-10-11-1m (-1) P= (-1) (K w/ 1 / do (P-1) $1 \times r \times p \times - (p-t)(p-t) = |x | (p-t)(p-t)(p-t)(p-t)(p-t)$ = 1x(1-p)x xx(r-p)x -- (p-+)1-+)(p-x)(-x) $P = (P-1)! \times (-1)^{P} = (-1)(-1)^{P} = (-1)^{P}$